

Mouse anti-Human VCP Monoclonal Antibody | anti-VCP antibody

Mouse Monoclonal [clone 4G9] (IgG1) to Human VCP

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA51790	Mouse	Human	Immunoprecipitation, Western Blot, Immunofluorescence, Immunohistochemistry

PRODUCT SYNONYMS

VCP; Monoclonal Antibody; Mouse Monoclonal [clone 4G9] (IgG1) to Human VCP; Anti-VCP Antibody (clone 4G9) IHC-plus; 15S Mg(2+)-ATPase p97 subunit; ALS14; TER ATPase; TERA; Valosin containing protein; Yeast Cdc48p homolog; Valosin-containing protein; IBMPFD; p97; Human VCP; anti-VCP antibody

PRODUCT SPECIFICATIONS

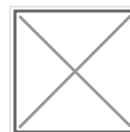
Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1
Clone Number	4G9
Specificity	Recombinant human valosin containing protein
Purity/Purification	Affinity Purified
Form/Format	Phosphate-buffered solution, pH 7.2, 0.09% sodium azide at 0.5 mg/ml. Sourced in TCS.
Concentration	0.5 mg/ml (varies by lot)
Sequence Length	806
Applicable Applications for anti-VCP antibody	IP (Immunoprecipitation), WB (Western Blot), IF (Immunofluorescence), IHC (Immunohistochemistry)
Target Species	Human
Immunogen Description	Recombinant human VCP.
Immunogen Type	Recombinant protein
Immunogen	VCP antibody was raised against recombinant human VCP.
Preparation and Storage	Long term: -20 degree C; Short term: +4 degree C; Avoid freeze-thaw cycles.

IMAGES



WB (Western Blot)

Western blot of extracts from HeLa cells (Lane 1), Jurkat cells (Lane 2), MCF7 cells (Lane 3), or mouse splenocytes (Lane 4), using anti-p97/VCP, clone 4G9



ICC (Immunocytochemistry)

Overnight nocodazole treated HeLa cells stained with purified mouse monoclonal antibody against p97/VCP (clone 4G9), followed by Cy3 conjugated goat anti-mouse IgG and DAPI



IHC (Immunohistochemistry)

Anti-VCP antibody IHC of human prostate. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval. Antibody concentration 5 ug/ml.

ADDITIONAL INFORMATION

Related Product Information for anti-VCP antibody	Valsolin Containing Protein (VCP) is a member of a family that includes putative ATP-binding proteins involved in vesicle transport and fusion, 26S proteasome function, and assembly of peroxisomes. VCP, as a structural protein, is associated with clathrin, and heat-shock protein Hsc70, to form a complex.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	6005942
NCBI GeneID	7415
NCBI Accession #	NP_009057.1
NCBI GenBank Nucleotide #	NM_007126.3
UniProt Accession #	P55072; Q0V924; Q2TAI5; Q969G7; Q9UCD5; B2R5T8
Molecular Weight	89,322 Da
NCBI Official Full Name	transitional endoplasmic reticulum ATPase
NCBI Official Synonym Full Names	valosin containing protein
NCBI Official Symbol	VCP
NCBI Official Synonym Symbols	p97; TERA; ALS14; IBMPFD; HEL-220; IBMPFD1; HEL-S-70
NCBI Protein Information	transitional endoplasmic reticulum ATPase; TER ATPase; yeast Cdc48p homolog; valosin-containing protein; 15S Mg(2+)-ATPase p97 subunit; epididymis luminal protein 220; epididymis secretory protein Li 70
UniProt Protein Name	Transitional endoplasmic reticulum ATPase
UniProt Gene Name	VCP
UniProt Synonym Gene Names	TER ATPase; VCP
UniProt Entry Name	TERA_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/vcp-antibody-clone-4g9-immunoprecipitation-western-blot-immunofluorescence-immunohistochemistry-elisa/51790>